

Variable	Mean	SD	Min	Max
Age	34.5	10.5	20	55
Gender	0.5	0.5	0	1
Marital status	0.5	0.5	0	1
Education	12.5	1.5	10	15
Income	1.5	0.5	1	2
Health status	0.5	0.5	0	1
Stress level	2.5	1.5	1	4
Life satisfaction	3.5	1.5	1	5
Work satisfaction	3.5	1.5	1	5
Family satisfaction	3.5	1.5	1	5
Community satisfaction	3.5	1.5	1	5
Overall satisfaction	3.5	1.5	1	5

## ABSTRACT

An integer transform matrix is used for implementing a Discrete Cosine Transform (DCT). Optimized values for the integer transform matrix are derived that satisfy certain normalization constraints and that also minimize the frequency distortion in the transform matrix.